

## **ABSTRACT**

A catheter having a radiopaque marker and a method of forming the radiopaque marker on the catheter component. One embodiment of the invention is directed to a method of making a radiopaque marker on a catheter component comprising depositing a first layer of radiopaque material onto at least a section of the catheter component, which in a presently preferred embodiment is deposited by thin film deposition, and electroplating a second layer of radiopaque material onto an outer surface of the first layer of radiopaque material. In one embodiment of the invention, a catheter component has a radiopaque marker comprising a first layer of radiopaque material, and a second layer of radiopaque material on the first layer having a thickness greater than the thickness of the first layer. In another embodiment of the invention, a first layer of radiopaque material comprises a blend of polymeric material and radiopaque material and a second layer of radiopaque material is electroplated onto the blended first layer. The radiopaque marker of the invention may be on a variety of catheter components including a catheter shaft or a balloon on a balloon catheter.

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